

ABSTRACT

A system and method for delivering a medical agent to a functional implant within a target tissue of an organism includes disposing a ferromagnetic, functional implant in a target tissue of an organism, the implant either having a magnetic field or being capable of magnetization, and introducing a medical agent carried by a magnetically sensitive carrier.

- 5 The carrier is introduced into a blood flow of the organism upstream from the target tissue, the carrier and medical agent migrate via the blood flow to the target tissue, and the carrier and medical agent remain substantially localized around the implant as a result of the magnetic field. The implant may be magnetized via a permanent or electro magnet. In addition, the implant may be demagnetized by a degaussing device after the need for the
- 10 medical agent is no longer required.